FORM PTO-1449 (Modified)	Attorney Docket No.: 20174-001810US	Application No.: 09/707,737
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	Applicant: Stephen Quake et al.	
	Filing Date: November 6, 2000	Group: 1653

Reference Designation — **U.S. PATENT DOCUMENTS** — Page 1

Examiner Initial	Document No.	Date	Name	Class	Sub-class	Filing Date (If Appropriate)
AC AA	4,153,855	05/08/79	Feingold	313	105	
AB	4,863,849	09/05/89	Melamede	435	6	
AC	5,265,327	11/30/93	Faris et al.	29	825	
AD	5,547,839	08/20/96	Dower et al.	435	6	
AE	5,659,171	08/19/97	Young et al.	250	289	
AF	5,759,014	06/02/98	van Lintel	417	413.3	
AG	5,863,722	01/26/99	Brenner	435	6	
AH	5,876,187	03/02/99	Afromowitz et al.	417	322	
AI	5,902,723	05/11/99	Dower et al.	435	6	
AJ	6,007,309	12/28/99	Hartley	417	322	

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub-class	Translation (Yes/No)
AK	EP0703364	03/27/96	EP			abstract only
AL	EP0845603	06/03/98	EP			
AM	GB2 308 460	06/25/97	UK			
AN	WO 96/12039	04/25/96	PCT			
AO	WO 96/27025	09/06/96	EP			
AP	WO 98/44152	10/08/98	PCT			
AQ	WO 99/17093	08/04/1999	PCT			

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	Chiu et al., "Patterned deposition of cells and proteins onto surfaces by using three-dimensional microfluidic systems", PNAS, vol. 97, no. 6, pp. 2408-2413 (2000)
AS	Chou et al., "A microfabricated device for sizing and sorting DNA molecules", Applied Physical Sciences, Biophysics: Chou et al., Proc. Natl. Acad. Sci. USA 96 , pp. 11-13 (1999)
AT	Decher et al., Thin Solid Films, 210:831-835 (1992)
AU	Delamarche et al., "Patterned delivery of immunoglobulins to surfaces using microfluidic networks," Science, Vol. 276, pp. 779-781 (1997)
AV	Duffy et al., "Patterning Electroluminescence Materials with Feature Sizes as Small as 5μm Using Elastomeric Membranes as Masks for Dry Lift-Off," Advanced Materials vol. 11, No. 7, pp. 546-552 (1999)
AW	Duffy et al., "Rapid prototyping of microfluidic switches in poly(dimethyl siloxane) and their actuation by electro-osmotic flow," J. Micromech. Microeng., (1999) Vol. 9, pp. 211-217.
AX	Duffy et al., "Rapid Prototyping of Microfluidic Systems in Poly(dimethylsiloxane)", Analytical Chemistry, Vol. 70, No. 23, pp. 4974-4984 (1998)
AY	Effenhauser et al., "Integrated capillary electrophoresis on flexible silicone microdevices: Analysis of DNA restriction fragments and detection of single DNA molecules on microchips," Anal. Chem., Vol. 69, pp. 3451-3457(1997)
AZ	Effenhauser et al., "Integrated chip-based capillary electrophoresis," Electrophoresis, Vol. 18, pp. 2203-2213 (1997)

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AC BA	Fahrenberg et al., "A microvalve system fabricated by thermoplastic molding," J. Micromech. Microeng., Vol. 5, pp. 169-171(1995)
____ BB	Fu et al., "A microfabricated fluorescence-activated cell sorter," Nature Biotechnology, Vol 17, pp. 1109-1111 (1999)
____ BC	Goll et al., "Microvalves with bistable buckled polymer diaphragms," J. Micromech. Microeng., Vol. 6, pp. 77-79 (1996)
____ BD	Graveson et al., "Microfluidics—a review", J. Micromech. Microeng. 3 , IOP Publishing Ltd., pp. 168-182 (1993)
____ BE	Harrison et al., "Micromachining a miniaturized capillary electrophoresis-based chemical analysis system on a chip," Science, Vol. 261, pp. 895-897 (1993)
____ BF	Hosokawa et al., "Handling of Picoliter liquid samples in a poly(dimethylsiloxane)-based microfluidic device," Anal. Chem., Vol. 71, No. 20, pp. 4781-4785 (1999)
____ BG	Ikuta et al., "Three dimensional micro integrated fluid systems (MIFS) fabricated by stereo lithography," IEEE Kyushu Institute of Technology, pp. 1-6 (1994)
____ BH	Jacobson et al., "High-speed separations on a microchip," Anal. Chem., Vol. 66, No. 7, pp. 1114-1118 (1994)
____ BI	Jacobson et al., "Microfluidic devices for electrokinetically driven parallel and serial mixing," Anal. Chem., Vol. 71, No. 20, pp. 4455-4459 (1999)
____ BJ	Kenis et al., "Microfabrication inside capillaries using multiphase laminar flow patterning," Science, Vol. 285, pp. 83-85 (1999)
____ BK	Kopp et al., "Chemical Amplification: Continuous-Flow PCR on a Chip", Science, Vol. 280, www.sciencemag.org., pp. 1046-1048 (1998)
____ BL	Lötters et al., "The mechanical properties of the rubber elastic polymer polydimethylsiloxane for sensor applications," J. Micromech. Microeng., Vol. 7, pp. 145-147(1997)
____ BM	Lucy et al., "Characterization of the cationic surfactant induced reversal of electroosmotic flow in capillary electrophoresis," Anal. Chem., Vol. 68, pp. 300-305 (1996)
____ BN	Muller et al., "Surface-micromachined microoptical elements and systems," IEEE Vol. 86, No. 8, pp. 1705-1720 (1998)
____ BO	Qin et al., "Elastomeric Light Valves", Advanced Materials VOL. 9, No. 5, pp. 407-410 (1997)
____ BP	Schasfoort et al., "Field-effect flow control for microfabricated fluidic networks," Science, Vol. 286, pp. 942-945 (1999)
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____ BR	Washizu et al., "Molecular dielectrophoresis of biopolymers," IEEE Transactions on Industry Applications, Vol. 30, No. 4, pp. 835-843 (1994)
____ BS	Xia et al., "Complex optical surfaces formed by replica molding against elastomeric masters," Science Vol. 273, pp. 347-349 (1996)
____ BT	Xia et al., "Soft Lithography," Angew. Chem. Int. Ed. Vol. 37, pp. 551-575 (1998)
____ BU	Yang et al., "A Mems Thermopneumatic Silicone Membrane Valve", Proceedings of IEEE 10th Annual International Workshop on MicroElectro Mechanical Systems, Sensors and Actuators, vol.A64, no. 1, Elsevier p.101-8 (1998)
AC BV	Young et al., "Contoured elastic-membrane microvalves for microfluidic network integration," J. Biomechanical Engineering, Vol. 121, pp. 2-6 (1999)
EXAMINER	Asun kr. Chakraborty DATE CONSIDERED 7/3/01

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.